

New Faces, New Places – Hood Canal Bridge Project Team

Todd Brown, *Transportation Engineer II, Hood Canal Bridge Team*



Todd Brown started his career with WSDOT as a temporary employee in 1997. He has worked in the Port Orchard Engineering Office a little more than six years, in Port Angeles for a year and in the Olympia Design office for about two months. It is not surprising that most of Todd’s time with WSDOT has been near the Olympic Peninsula. He grew up in the Kitsap County area and only left to complete his B.S. in Civil Engineering at Washington State University.

Todd spends a lot of his time checking contract plans and documenting the work at the bridge site. His good sense of humor and dedication to his job helps him focus, stay relaxed and build good relationships with fellow workers. Todd has withstood a lot of teasing this year, mainly because of the way he celebrated St. Patrick’s Day – by standing under the Hood Canal Bridge in a kilt and playing tunes on his bagpipes.

Project Responsibilities: Construction support, including processing field data, material documentation, plan checking, and submittal review. Questions? BrownTA@wsdot.wa.gov or (360) 613-5355

George Allison, *Canal Site Manager, Kiewit-General Construction Company*



George Allison brought tremendous bridge construction experience and knowledge to the Hood Canal Bridge Team when he became Canal Site Manager for the Kiewit-General Construction Company. Not only has he worked for General for 12 years, he has also worked with various engineering firms and contractors on the Washington State Convention Center project, the I-90 Lacey V. Murrow Bridge and numerous other bridges.

His ability to handle multiple problems and organize a variety of corresponding activities has served George well both in his professional and personal life. At work, he oversees safety, quality, productivity and scheduling aspects of canal site work while at home he balances his time between golfing, chipping away at his “honey-do” list, listening to Doo Wop, visiting his granddaughter and taking care of his 16 year-old orange tabby cat.

Project Responsibilities: Oversees safety, quality, productivity and scheduling aspects of canal site work. Questions? George.Allison@kiewit.com or (360) 598-4458



East approach road deck pour

**Hood Canal Bridge
Retrofit and East Half
Replacement Project**

WEST-HALF WIDENING COMPLETION: 2005
EAST-HALF REPLACEMENT COMPLETION GOAL: 2009

June 2005

Work at the Bridge – June 2005

Work at the bridge is progressing quickly. Day by day the approach spans take shape under the watchful eye of Hood Canal Bridge and Kiewit-General Construction Company crews. Bridge construction is on track to meet the August dates set aside for replacing the approach spans.

Financial Picture

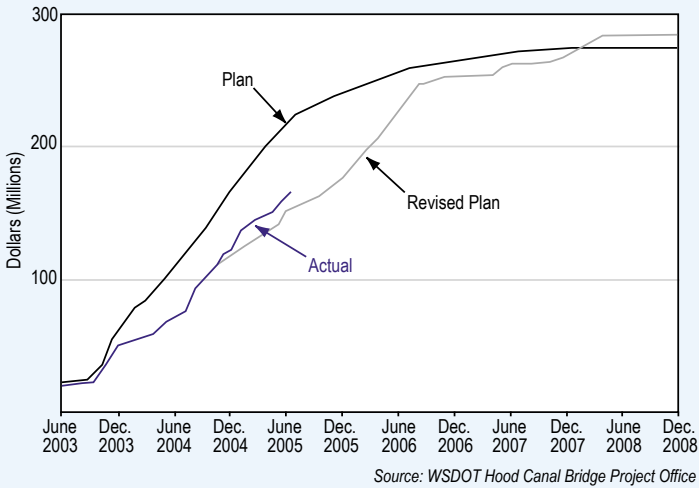
Project Cost Summary

Expenditures as of June 2005 (in millions)

Project Cost Summary	Budgeted	Expended
Preliminary Engineering	\$ 12.4	\$ 12.3
Right-of-Way	7.7	7.0
Construction	271.9	143.6
Total	\$292.0	\$162.9

Planned vs. Actual Expenditures

(Total Project Cost)



This report highlights updated information regarding the Hood Canal Bridge Project. Additional information may be obtained from WSDOT’s Olympic Region Communications Office at (360) 357-2789.

For more information about the Hood Canal Bridge Project, visit the HCB web site:
www.hoodcanalbridge.com.

For more information, contact:
Lloyd D. Brown, Media Relations
(360) 357-2789 • brownl@wsdot.wa.gov
Eric Soderquist, Project Director
(360) 704-6310 • soderqe@wsdot.wa.gov
Becky Hixson, Community Outreach
(360) 704-6308 • hixsonb@wsdot.wa.gov



West-half approach span work

Special cranes set five 155-foot concrete girders in place on June 9. Due to this construction work, traffic near the bridge came to a standstill for several hours. WSDOT takes traffic delays very seriously and several changes were made to ensure the situation does not happen again.



East-half approach span work

Crews poured the final portion of the new east approach span road deck on June 29. Next steps to completing this approach span include building concrete traffic barriers and completing the diaphragms – concrete portions that connect the girders to each other and to the piers.



West-half roadway widening (north side)

Throughout the month, almost all the girders were placed. Reinforcing steel (rebar) was installed above the girders and the first road deck concrete was poured.



Anchor Cable Replacement

Crews replaced one anchor cable per week. This work is progressing quickly and should be finished several weeks ahead of schedule.



Transition Span Fabrication

Mississippi Tank Company finished welding 64 of 116 diagonal pipes needed to construct the steel transition spans.

Project Site Completion Status

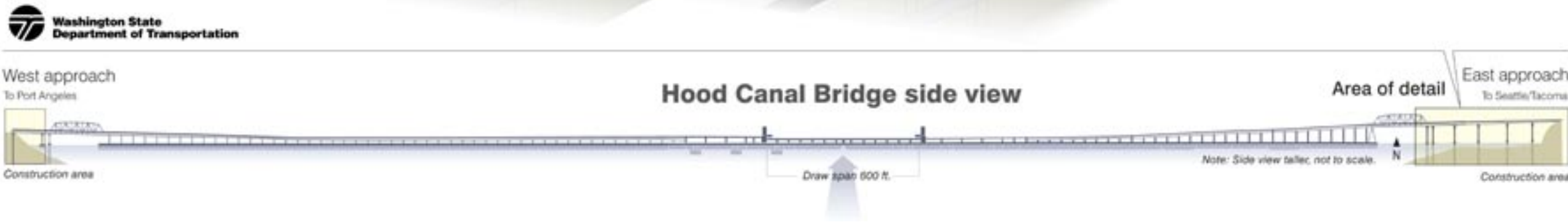
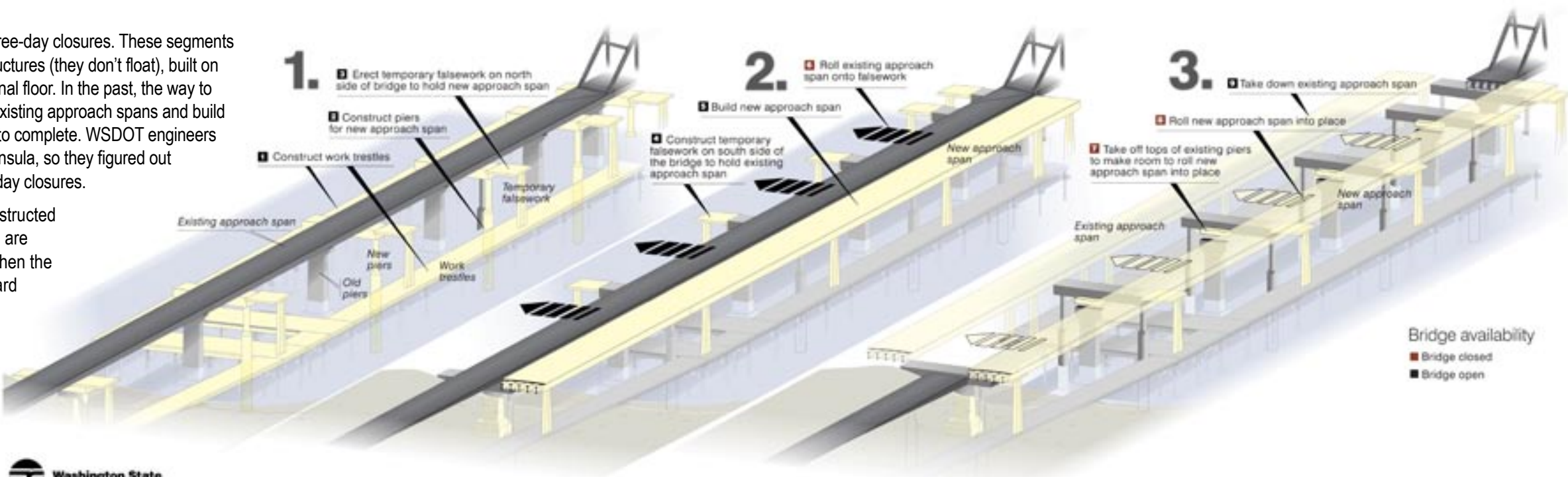
Bridge Site Activity	Percent Completed
East Approach	75%
West Approach	40%
West Widening	75%

Source: WDOT Hood Canal Bridge Project Office

Approach Span Replacement

The east and west approach spans will be replaced during the August three-day closures. These segments connect the floating bridge to the land. The approach spans are fixed structures (they don't float), built on concrete piers. The piers extend from 45 to almost 100 feet below the canal floor. In the past, the way to replace the approach spans would be to close the bridge, demolish the existing approach spans and build the new ones in their place. This process would have taken up to a year to complete. WSDOT engineers wanted to find a way to keep traffic moving to and from the Olympic Peninsula, so they figured out a better way to replace the approach spans that requires only two three-day closures.

Work trestles and falsework (huge scaffolding systems) have been constructed underneath and beside each approach span. The new approach spans are being constructed on the north side of the existing approach spans. When the new approach spans are ready, the existing ones will be rolled southward onto the temporary falsework, and the new approach spans will be rolled into place.



Looking Ahead – July 2005

Bridge Site

West-half roadway widening (north side):

- Pour concrete for the road deck on four of the pontoons
- Continue to place steel to widen the draw span

West-half approach span work:

- Pour the concrete road deck
- Complete south side falsework
- Pour concrete for the traffic barriers on each side of the entire approach span

East-half approach span work:

- Pour concrete for the traffic barriers on each side of the entire approach span
- Install items in preparation for the jacking and rolling operation that will occur during the August three-day closures

Anchor Cable Replacement

- Replace four anchor cables
- Clean anchor brackets

Graving Dock Site

- Continue site selection process
- Negotiate contract changes with Kiewit-General

Public Information

- Hold community presentations as requested
- Announce final three-day closure dates
- Prepare all three-day closure mitigation plan elements
- Create three-day closure media kit



Roll-on and roll-off falsework are in place for the west-half approach span roll.

Hood Canal Bridge Three-Day Closures

WSDOT staff started gearing up for the August three-day closures. An operations planning committee with representatives from the region Traffic office, Port Angeles Project Engineers office, Port Orchard Maintenance, Port Angeles Maintenance, Washington State Patrol, Hood Canal Bridge Project office, region Work Zone Traffic Control and Olympic Region communications started meeting on a weekly basis to implement the three-day closure mitigation plan. The plan elements include:



One of the five concrete girder for the new approach span sits on the bridge awaiting placement.

- Increasing driver assistance along US 101.
- Using highway advisory radio, variable message signs and electronic media to share information with drivers.
- Expanding signage at key decision points.
- Coordinating with Washington State Ferries to help drivers find alternative routes.
- Working with tourism and business interests, local community groups and the Peninsula Regional Transportation Planning Organization to distribute information.

CLOSURE DATES

CLOSED: 8 p.m., Thursday, August 11	CLOSED: 8 p.m., Sunday, August 21
OPEN: 4 a.m., Monday, August 15	OPEN: 4 a.m., Thursday, August 25

For more information, visit www.hoodcanalbridge.com or call 1-877-595-HCB2 (4222).